

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

1076.41311X00

First Inventor

JANSEN, STEFAN

Title

MULTIPLAYER PCB ANTENNA

Express Mail Label No.

## APPLICATION ELEMENTS

SEE MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages: 10]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Pages: 3]
5. Oath or Declaration [Total Pages: \_\_\_\_\_]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
Named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & documents(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: **Figs. 1-3, Credit Card Payment Form, Claim For Priority Letter**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Prior application information: Examiner: \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

020457

or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Address

City

State

Zip  
Code

Country

Telephone

(703) 312-6600

Fax

(703) 312-6666

Name

Donald E. Stout

Registration No. (Attorney/Agent)

26,422

Signature

Date

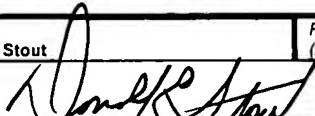
March 1, 2002

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2002</h2> <p style="margin: 0;"><i>Patent fees are subject to annual revision.</i></p>				<b>Complete if Known</b>																																																																																																																																																				
				Application Number																																																																																																																																																				
				Filing Date		March 1, 2002																																																																																																																																																		
				First Named Inventor		JANSEN, STEFAN																																																																																																																																																		
				Examiner Name																																																																																																																																																				
				Group Art Unit																																																																																																																																																				
TOTAL AMOUNT OF PAYMENT				(\$)		956.00																																																																																																																																																		
ATTORNEY DOCKET NO.						1076.41311X00																																																																																																																																																		
METHOD OF PAYMENT				FEE CALCULATION (continued)																																																																																																																																																				
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit overpayments to:</p> <p>Deposit Account Number 01-2135</p> <p>Deposit Account Name Antonelli, Terry, Stout &amp; Kraus, LLP</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examination action</td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(a))</td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td></tr> </tbody> </table> <p>Other fee (specify) _____</p>				Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	139	130	139	130	Non-English specification	147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	112	920*	112	920*	Requesting publication of SIR prior to Examination action	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	115	110	215	55	Extension for reply within first month	116	400	216	200	Extension for reply within second month	117	920	217	460	Extension for reply within third month	118	1,440	218	720	Extension for reply within fourth month	128	1,960	228	980	Extension for reply within fifth month	119	320	219	160	Notice of Appeal	120	320	220	160	Filing a brief in support of an appeal	121	280	221	140	Request for oral hearing	138	1,510	138	1,510	Petition to institute a public use proceeding	140	110	240	55	Petition to revive - unavoidable	141	1,280	241	640	Petition to revive - unintentional	142	1,280	242	640	Utility issue fee (or reissue)	143	460	243	230	Design issue fee	144	620	244	310	Plant issue fee	122	130	122	130	Petitions to the Commissioner	123	50	123	50	Processing fee under 37 CFR 1.17(q)	126	180	126	180	Submission of Information Disclosure Stmt	581	40	581	40	Recording each patent assignment per property (times number of properties)	146	740	246	370	For each additional invention to be examined (37 CFR § 1.129(a))	149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	179	740	279	370	Request for Continued Examination (RCE)	169	900	169	900	Request for expedited examination of a design application
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																				
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																				
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																				
139	130	139	130	Non-English specification																																																																																																																																																				
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																				
112	920*	112	920*	Requesting publication of SIR prior to Examination action																																																																																																																																																				
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																				
115	110	215	55	Extension for reply within first month																																																																																																																																																				
116	400	216	200	Extension for reply within second month																																																																																																																																																				
117	920	217	460	Extension for reply within third month																																																																																																																																																				
118	1,440	218	720	Extension for reply within fourth month																																																																																																																																																				
128	1,960	228	980	Extension for reply within fifth month																																																																																																																																																				
119	320	219	160	Notice of Appeal																																																																																																																																																				
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																				
121	280	221	140	Request for oral hearing																																																																																																																																																				
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																				
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																				
141	1,280	241	640	Petition to revive - unintentional																																																																																																																																																				
142	1,280	242	640	Utility issue fee (or reissue)																																																																																																																																																				
143	460	243	230	Design issue fee																																																																																																																																																				
144	620	244	310	Plant issue fee																																																																																																																																																				
122	130	122	130	Petitions to the Commissioner																																																																																																																																																				
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																				
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																				
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																				
146	740	246	370	For each additional invention to be examined (37 CFR § 1.129(a))																																																																																																																																																				
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																				
179	740	279	370	Request for Continued Examination (RCE)																																																																																																																																																				
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																				
<p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>				<p><b>2. BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Large Fee (\$)</th> <th>Small Fee Code</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td>740.00</td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td><td>740.00</td></tr> </tbody> </table>				Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid	101	740	201	370	Utility filing fee	740.00	106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee		<b>SUBTOTAL (1)</b>					740.00																																																																																																							
Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid																																																																																																																																																			
101	740	201	370	Utility filing fee	740.00																																																																																																																																																			
106	330	206	165	Design filing fee																																																																																																																																																				
107	510	207	255	Plant filing fee																																																																																																																																																				
108	740	208	370	Reissue filing fee																																																																																																																																																				
114	160	214	80	Provisional filing fee																																																																																																																																																				
<b>SUBTOTAL (1)</b>					740.00																																																																																																																																																			
<p><b>1. EXTRA CLAIM FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>32 -20** = 12</td> <td></td> <td>x 18</td> <td>= 216.00</td> </tr> <tr> <td>Indep. Claims 2-3** = 0</td> <td></td> <td>x 84</td> <td>= 0</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td>280</td> <td>= 0</td> </tr> </tbody> </table>				Total Claims	Extra Claims	Fee from below	Fee Paid	32 -20** = 12		x 18	= 216.00	Indep. Claims 2-3** = 0		x 84	= 0	Multiple Dependent		280	= 0	<p><b>2. SUBTOTAL (2) \$ 216.00</b></p>																																																																																																																																				
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																					
32 -20** = 12		x 18	= 216.00																																																																																																																																																					
Indep. Claims 2-3** = 0		x 84	= 0																																																																																																																																																					
Multiple Dependent		280	= 0																																																																																																																																																					
<p><b>1. EXTRA CLAIM FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Large Fee (\$)</th> <th>Small Fee Code</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5" style="text-align: right;"><b>SUBTOTAL (2) \$ 216.00</b></td><td></td></tr> </tbody> </table>				Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	84	202	42	Independent claims in excess of 3		104	280	204	140	Multiple dependent claim, if not paid		109	84	209	42	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2) \$ 216.00</b>						<p><b>3. SUBTOTAL (3) (\$)</b> 0.00</p>																																																																																																										
Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid																																																																																																																																																			
103	18	203	9	Claims in excess of 20																																																																																																																																																				
102	84	202	42	Independent claims in excess of 3																																																																																																																																																				
104	280	204	140	Multiple dependent claim, if not paid																																																																																																																																																				
109	84	209	42	** Reissue independent claims over original patent																																																																																																																																																				
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																				
<b>SUBTOTAL (2) \$ 216.00</b>																																																																																																																																																								

\*\*or number previously paid, if greater; For Reissues, see above.

\*Reduced by Basic Filing Fee Paid

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Donald E. Stout	Registration No. (Attorney/Agent)	26,422	Telephone	703-312-6600
Signature		Date	03/01/2002		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.